



# DENACTIVE<sup>®</sup> XF

EXCELLENT TRICHROMATIC  
COMPATIBILITY AND HIGH  
REPEATABILITY



# DENACTIVE® XF

## One-time correct dyeing in reactive dyeing critical color shades, more efficient production.

The dyes in the DENACTIVE XF series have excellent trichromatic compatibility and color repeatability. They are especially used as a solution to the repeatability problems of viscose fabrics. Paints in this class are suitable for dyeing methods such as exhaust dyeing, cold pad batch and pad steam.



Excellent repeatability due to excellent trichromatic compatibility



High wet fastness properties



It does not change color tone in washing and finishing applications after dyeing.



Good light fastness properties



The range fully complies with the requirements on the limits for impurities or by-products as specified in the ZDHC Manufacturing Restricted Substances List (ZDHC MRSL)



It is suitable for dyeing methods such as exhaust dyeing, cold pad batch and pad steam.

## Resistance Against of Process Variables

Denactive DEXF combination shows excellent shade reproducibility due to less sensitivity to dyeing variables which may occur during the bulk dyeing.

### RECIPE

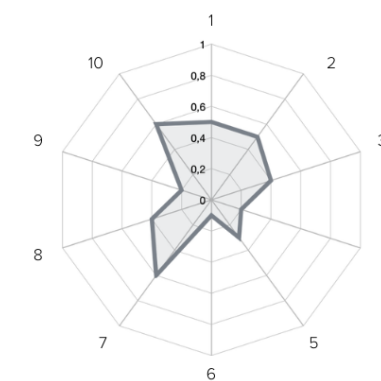
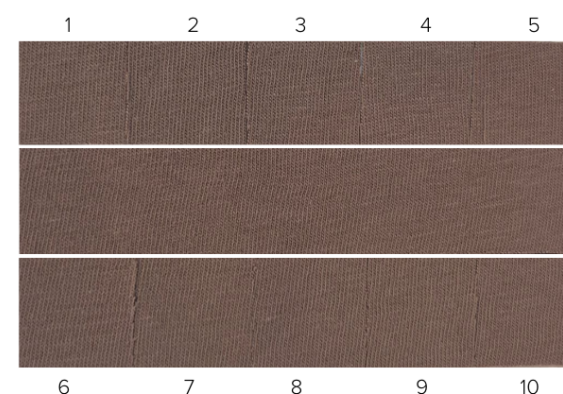
Denactive Yellow DE-XF	0.15%
Denactive Red DE-XF	0.15%
Denactive Blue DE-RF	0.15%

### S: Standard Condition

Time: 60 min.  
Liquor Ratio: 1:10  
Temperature: 60°C  
Salt/Soda: 20/15 g/lt

### Process Variables

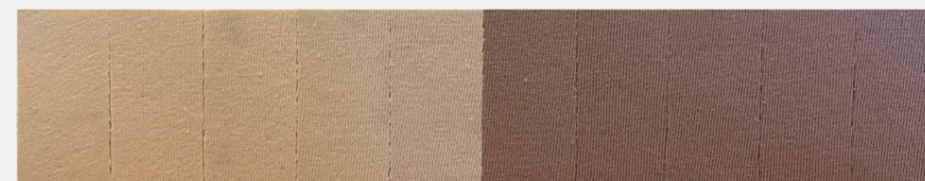
1: Fix. time + 15 min.	6: Fix. time -15 min.
2: Temp. +5°C	7: Temp. -5°C
3: 10% Overall	8: 10% Underfill
4: +10% Salt	9: -10% Salt
5: +10% Soda	10: -10% Soda



$\Delta E$  are below 0.7 under all different conditions. This assures good reproducibility (Right-first-time) and intern will increase productivity.

## Build up

Denactive DE-XF combination gives on tone build up to achieve good level dyeing & better shade reproducibility.



Salt 20g/lt    Salt 20g/lt    Salt 20g/lt    Salt 20g/lt    Salt 20g/lt    Soda 15g/lt    Soda 15g/lt    Soda 15g/lt    Soda 15g/lt    Soda 15g/lt  
40°C 10 min.    40°C 20 min.    50°C    60°C    60°C 10 min.    60°C 20 min.    60°C 30 min.    60°C 40 min.    60°C 50 min.    60°C 60 min.

# DENACTIVE® XF

Dye Selection



Yellow DE-XF  
1.0% 2.0%

Red DE-XF  
1.0% 2.0%

Blue DE-RF  
1.0% 2.0%

Navy Blue BSF  
2.0% 4.0%

Solubility (25°C)	Neutral- gr/lt	100	100	100	150
Water Fastness		5	4-5	4-5	4-5
Fastness to Chlorine Water	20 ppm	4	4	3-4	2-3
Washing Fastness	AC	5	5	5	5
	CO	5	4-5	5	5
	PA	5	5	5	5
	PES	5	5	5	5
	PAN	5	5	5	5
	WO	5	5	5	5
Oxidative Washing Fastness	1/1 SD	4 On T.	4 On T.	4 On T.	4 Off T.
Perspiration Fastness	Acid	4-5	4-5	4-5	4-5
	Alkaline	4-5	4-5	4-5	4-5
Light Fastness		4-5	4	4	4
Dischargeability		+	+	-	(+)
Dyeing Properties	Exhaust	★	★	★	★
	Pad Batch	★	★	★	★
	P-Dry P-Steam	★	★	★	★







Colorful and Smart Solution

